Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/18/2020 09:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124049	-1	3.3	124136	3.34
Blue	F	SSC	125000	123869	-1	2.76	124637	2.83
Blue	E	FITC	15892	15296	-4	3.16	335	21.18
Blue	D	PE	29999	29143	-3	2.39	636	15.57
Blue	B	PerCP-Cy5-5	43732	43357	-1	4.02	1165	21.26
Blue	A	PE-Cy7	30845	30566	-1	6.44	587	42.57
Red	C	APC	46112	45784	-1	2.67	1616	12.11
Red	A	APC-Cy7	30458	30036	-2	2.68	792	11.58
Violet	B	V450	7918	7654	-4	4.61	430	13.72
Violet	A	V500	32171	31030	-4	4.29	722	10.76

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17477	14.88	629	8	N/A	N/A	Pass
Blue	F	SSC	56538	2.08	568	9	N/A	N/A	Pass
Blue	E	FITC	61	67.07	546	3	0.0176	133	Pass
Blue	D	PE	133	51.57	552	4	0.1409	249	Pass
Blue	B	PerCP-Cy5-5	212	51.79	661	5	0.0083	41	Pass
Blue	A	PE-Cy7	104	109.14	703	5	0.0100	19	Pass
Red	C	APC	387	25.01	584	0	0.0247	143	Pass
Red	A	APC-Cy7	174	28.24	556	0	0.0062	1243	Pass
Violet	B	V450	66	56.69	462	4	0.0380	1198	Pass
Violet	A	V500	108	34.42	478	4	0.0221	795	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.75	-31.89	0.97
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.45
Red	16.76	13.60 - 20.40	N/A	N/A	28.98	29.86	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10006

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments